

11/30/01  
J1135 U.S. PTO

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. AP824/US  
First Inventor YEAP, Tet Hin  
Title Apparatus for connecting digital subscriber lines to central office equipment  
Express Mail Label No.

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 30]  
(preferred arrangement set forth below)  
- Descriptive title of the invention  
- Cross Reference to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequence listing, a table, or a computer program listing appendix  
- Background of the invention  
- Brief Summary of the invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 21]
5. Oath or Declaration [Total Pages 2]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label ☐ Correspondence address below

Name Adams Cassan Maclean  
Address P.O. Box 11100, Station H  
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Country Canada Telephone (613) 828 0012 Fax (613) 828 0024

Name (Print/Type) Thomas Adams Registration No. (Attorney/Agent) 31078  
Signature [Signature] Date 30<sup>th</sup> Nov. 2001

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J1135 U.S. PTO  
09/996767  
11/30/01

PTO/SB/17 (10-01)

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**FEE TRANSMITTAL  
for FY 2002**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 581 00)

**Complete if Known**

|                      |               |
|----------------------|---------------|
| Application Number   |               |
| Filing Date          |               |
| First Named Inventor | YEAP, Tet Hin |
| Examiner Name        |               |
| Group Art Unit       |               |
| Attorney Docket No.  | AP824US       |

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

|                        |                      |
|------------------------|----------------------|
| Deposit Account Number | 20-0771              |
| Deposit Account Name   | Adams Cassan Maclean |

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | Small Entity | Fee Code | Fee (\$)               | Fee Description | Fee Paid |
|--------------|--------------|----------|------------------------|-----------------|----------|
| 101          | 201          | 370      | Utility filing fee     |                 | 370.00   |
| 106          | 330          | 206      | Design filing fee      |                 |          |
| 107          | 510          | 207      | Plant filing fee       |                 |          |
| 108          | 740          | 208      | Reissue filing fee     |                 |          |
| 114          | 160          | 214      | Provisional filing fee |                 |          |

SUBTOTAL (1) (\$ 370.00)

**2. EXTRA CLAIM FEES**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 39                 | -20** = 19   | 9              | 171      |
| Independent Claims | -3** =       |                |          |
| Multiple Dependent |              |                |          |

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|--------------|--------------|----------|----------|--|----------|
| 103          | 18           | 203      | 9        | Claims in excess of 20                                     |          |
| 102          | 84           | 202      | 42       | Independent claims in excess of 3                          |          |
| 104          | 280          | 204      | 140      | Multiple dependent claim, if not paid                      |          |
| 109          | 84           | 209      | 42       | ** Reissue independent claims over original patent         |          |
| 110          | 18           | 210      | 9        | ** Reissue claims in excess of 20 and over original patent |          |

SUBTOTAL (2) (\$ 171.00)

\*\*or number previously paid, if greater. For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large Entity | Small Entity | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|--------------|--------------|----------|----------|--|----------|
| 105          | 130          | 205      | 65       | Surcharge - late filing fee or oath  |          |
| 127          | 50           | 227      | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139          | 130          | 139      | 130      | Non-English specification  |          |
| 147          | 2,520        | 147      | 2,520    | For filing a request for ex parte reexamination                            |          |
| 112          | 920*         | 112      | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113          | 1,840*       | 113      | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115          | 110          | 215      | 65       | Extension for reply within first month                                     |          |
| 116          | 400          | 216      | 200      | Extension for reply within second month                                    |          |
| 117          | 920          | 217      | 460      | Extension for reply within third month                                     |          |
| 118          | 1,440        | 218      | 720      | Extension for reply within fourth month                                    |          |
| 128          | 1,960        | 228      | 980      | Extension for reply within fifth month                                     |          |
| 119          | 320          | 219      | 160      | Notice of Appeal   |          |
| 120          | 320          | 220      | 160      | Filing a brief in support of an appeal                                     |          |
| 121          | 280          | 221      | 140      | Request for oral hearing   |          |
| 138          | 1,510        | 138      | 1,510    | Petition to institute a public use proceeding                              |          |
| 140          | 110          | 240      | 65       | Petition to revive - unavoidable   |          |
| 141          | 1,280        | 241      | 640      | Petition to revive - unintentional   |          |
| 142          | 1,280        | 242      | 640      | Utility issue fee (or reissue)   |          |
| 143          | 460          | 243      | 230      | Design issue fee   |          |
| 144          | 620          | 244      | 310      | Plant issue fee  |          |
| 122          | 130          | 122      | 130      | Petitions to the Commissioner  |          |
| 123          | 50           | 123      | 50       | Processing fee under 37 CFR 1.17(q)  |          |
| 126          | 180          | 126      | 180      | Submission of Information Disclosure Stmt                                  |          |
| 581          | 40           | 581      | 40       | Recording each patent assignment per property (times number of properties) | 40.00    |
| 146          | 740          | 246      | 370      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149          | 740          | 249      | 370      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179          | 740          | 279      | 370      | Request for Continued Examination (RCE)                                    |          |
| 169          | 900          | 169      | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

**SUBMITTED BY**

|                   |                 |                                   |       |                          |              |              |
|-------------------|-----------------|-----------------------------------|-------|--------------------------|--------------|--------------|
| Name (Print/Type) | Thomas Adams    | Registration No. (Attorney/Agent) | 31078 | Complete (if applicable) | Telephone    | 613 828 0012 |
| Signature         | <i>T. Adams</i> |                                   |       | Date                     | 30 Nov. 2001 |              |

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FOOTER 2/9/996660

THE HONORABLE COMMISSIONER OF  
PATENTS & TRADEMARKS  
WASHINGTON, D.C. 20231, U.S.A.

INVENTOR(S): YEAP, Tet Hin and SCHELLENBERG, John James

ENTITLED: Apparatus for Connecting Digital Subscriber  
Lines to Central Office Equipment

DOCKET NO: AP824\US

THE ATTACHED STAMP CONFIRMS RECEIPT BY THE UNITED STATES PATENT AND  
TRADEMARK OFFICE OF THE FOLLOWING:

- ☒ Abstract
- ☒ Specification - 23 pages
- ☒ Claims 1 - 39
- ☒ Drawing(s) 21 sheet(s)
- ☒ Declaration for Utility or Design Patent Application
- ☒ Power of Attorney or Authorization of Agent (2)
- ☐ Declaration in compliance with 37 C.F.R. §1.63
- ☐ Certified Copy of Priority Application
- ☒ Priority is claimed from US provisional applications No. 60/253,933; 60/262,058;  
60/288,785; 60/311,357
- ☒ Assignment to Esion Networks Inc.
- ☐ Information Disclosure Statement (incl. 2 copies of Form 1449)
- ☐ Preliminary Amendment
- ☒ Fee Transmittal Form PTO/SB/17 two copies
- ☒ Other - Authorization to deduct fee or any deficiency from Deposit account No. 20-  
0771

DOCKET 29496600